Information on Product Carbon Footprint



tesa® 4615 PV1

At tesa, we are dedicated to enhancing the environmental performance of our products through continuous improvement. That's why we are consistently monitoring the environmental impacts of our products at various stages of their life cycle. Also, to better understand these impacts, we use an indicator known as the product carbon footprint (PCF), which is the total amount of greenhouse gas emissions associated with a product.

Cradle-to-gate estimated greenhouse gas emissions & technical information

partial PCF ¹	557 ± 25%	g CO ₂ -eq. / m ²
biogenic CO ₂ ²	24 ± 25%	g CO ₂ -eq. / m ²
biogenic carbon content	7	g C / m²

¹ IPCC AR5 GWP 100, excluding biogenic carbon

The PCF data are estimates only and PCF data and any other data or information is based on present knowledge and experience. However, model data of carbon emission may be subject to uncertainties due to limited data availability. PCF information may vary due to continuous improvement of life-cycle investigation and updates to leverage new information. The calculations have not been critically reviewed.

Methodological choices, boundaries, and assumptions

- System boundary: cradle to gate
- Exclusions: packaging materials, core, auxiliary materials, end of life scenarios
- Activity data is associated with production centers located in Germany in 2020. Our own coating processes are
 modelled on basis of annual average data for representative production facilities. The energy consumption of other
 processes, utilities and buildings are added as a surcharge based on yearly average data.
- Allocations: Corporate transport emissions (scope 3.4) and average data for production waste (scope 3.5) are allocated according to product weight or estimated (scope 3.9)
- Including renewable electricity with guarantee of origin.
- Impact category: IPCC AR5 GWP100, incl. Direct Land Use Change
- sphera® MLC 2022.2 and ecoinvent® 3.8 cut-off databases are applied as background data
- · Credits included for any biogenic or ISCC certified biomass attributed carbon content in the product
- The framework is aligned with ISO 14044/44 for the underlying life cycle assessment approach

Use of information and confidentiality

This document (hereinafter referred to as "Information on Product Carbon Footprint" or "Information on PCF") contains information that shall be treated in the following way.

- a. The data provided in the "Information on PCF" and the PCF data do not constitute an agreed quality of the product(s) nor a guarantee. The information is non-binding and may be subject to change.
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- d. The "Information on PCF" is intended to support carbon accounting. It is neither intended nor suitable to compare materials or products.

See our <u>Sustainability Report</u> and our <u>website</u> to learn more about tesa's climate ambition.

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² Biogenic carbon dioxide emissions (removals) due to actual and mass balance attributed biogenic carbon temporarily stored in the final product.

Information on Product Carbon Footprint



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Cradle-to-gate estimated greenhouse gas emissions & technical information

partial PCF ¹	777 ± 25%	g CO ₂ -eq. / m²
biogenic CO ₂ ²	35 ± 25%	g CO ₂ -eq. / m²
biogenic carbon content	10	g C / m²

¹ IPCC AR5 GWP 100, excluding biogenic carbon

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